Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/11/2019 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124771	-1	2.02	124852	2.02
Blue	F	SSC	125000	124557	-1	1.57	125385	1.51
Blue	E	FITC	16433	16069	-3	2.58	349	19.25
Blue	D	PE	27595	27401	-1	1.79	598	14.23
Blue	B	PerCP-Cy5-5	43183	42814	-1	3.48	1157	19.55
Blue	A	PE-Cy7	31943	31877	-1	5.90	610	39.27
Red	C	APC	42819	42026	-2	2.35	1489	11.83
Red	A	APC-Cy7	31261	30477	-3	2.24	808	11.66
Violet	B	V450	6527	6398	-2	4.15	358	13.28
Violet	A	V500	24533	23484	-5	3.90	547	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17976	10.66	609	9	N/A	N/A	Pass
Blue	F	SSC	56690	1.09	550	2	N/A	N/A	Pass
Blue	E	FITC	64	58.61	538	-1	0.0211	49	Pass
Blue	D	PE	123	50.63	535	1	0.1955	357	Pass
Blue	B	PerCP-Cy5-5	213	47.32	644	2	0.0097	36	Pass
Blue	A	PE-Cy7	114	97.54	692	3	0.0118	19	Pass
Red	C	APC	356	24.96	578	-5	0.0261	194	Pass
Red	A	APC-Cy7	178	27.86	558	-5	0.0058	856	Pass
Violet	B	V450	55	57.66	448	-7	0.0457	1695	Pass
Violet	A	V500	81	31.90	458	-9	0.0204	345	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.93	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.68	13.60 - 20.40	N/A	N/A	29.48	29.90	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10722

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments